Electronic Version
Stylesheet Version v1.1.1

METHOD AND SYSTEM OF SCALING MR SPECTROSCOPIC DATA ACQUIRED WITH PHASED-ARRAY COILS

Abstract

The present invention is directed to a system and method of rescaling spectroscopic data acquired with phased-array or surface coils to absolute "local" units and, hence, preserves the industry-desirable quantitative approach to single voxel MRS. An MRS signal is acquired from water using a body coil and is used as a reference signal to scale MR spectroscopic data acquired with a plurality of RF receive coils, i.e. phased-array or surface coils. In the rescaling process, the amplitude of water in the MRS data will be set to match the amplitude of the water reference signal.